

2643#3



PATENT
Attorney Docket No. 401489/Lee

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of:

JONG-WON CHO

Application No. 10/009,781

Art Unit: Unassigned

Filed: December 17, 2001

Examiner: Unassigned

For: SUBTITLE MANAGE-
MENT METHOD FOR
DIGITAL VIDEO DISK

LETTER

Commissioner for Patents
Washington, D. C. 20231

Dear Sir:

Further to the filing of the referenced patent application, an English language translation of the International Preliminary Examination Report is attached.

Respectfully submitted,

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Date: May 22, 2002
JAW:cmcg

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

PCT

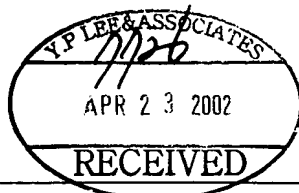
NOTIFICATION OF TRANSMITTAL OF
INTERNATIONAL PRELIMINARY
EXAMINATION REPORT

(PCT Rule 71.1)

To:

KIM, Yong Sik

The Cheonghwa Bldg., 1571-18 Seocho-dong, Seocho-gu,
Seoul 137-073 Republic of Korea



Date of mailing
(day/month/year) 17 APRIL 2002 (17.04.2002)

Applicant's or agent's file reference

OP/0025/PCT DV-15048-PCT

IMPORTANT NOTIFICATION

International application No.

PCT/KR00/00533

International filing date (day/month/year)

25 MAY 2000 (25.05.2000)

Priority date (day/months/year)

27 DECEMBER 1999 (27.12.1999)

Applicant

DVD TECH Co., Ltd. et al

1. The applicant is hereby notified that International Preliminary Examining Authority transmits here with the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details in the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/KR

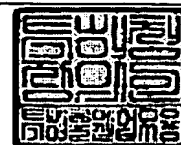
Korean Intellectual Property Office
Government Complex-Daejeon, 920 Dunsan-dong, Seo-gu,
Daejeon Metropolitan City 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

COMMISSIONER

Telephone No. 82-42-481-5210



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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference OP/0025/PCT	FOR FURTHER ACTION		See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. PCT/KR00/00533	International filing date (day/month/year) 25 MAY 2000 (25.05.2000)	Priority date (day/month/year) 27 DECEMBER 1999 (27.12.1999)	
International Patent Classification (IPC) or national classification and IPC IPC7 G11B 27/00			
Applicant DVD TECH Co., Ltd. et al			

1.	This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2.	<p>This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.</p> <p><input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of _____ sheets.</p>
3.	<p>This report contains indications relating to the following items:</p> <ul style="list-style-type: none"> I <input checked="" type="checkbox"/> Basis of the report II <input type="checkbox"/> Priority III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability IV <input type="checkbox"/> Lack of unity of invention V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI <input checked="" type="checkbox"/> Certain documents cited VII <input type="checkbox"/> Certain defects in the international application VIII <input type="checkbox"/> Certain observations on the international application

Date of submission of the demand 27 JULY 2001 (27.07.2001)	Date of completion of this report 16 APRIL 2002 (16.04.2002)
Name and mailing address of the IPEA/KR Korean Intellectual Property Office Government Complex-Daejeon, 920 Dunsan-dong, Seo-gu, Daejeon Metropolitan City 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Authorized officer KIM, In Han Telephone No. 82-42-481-5692



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/KR00/00533

I. Basis of the report

1. With regard to the elements of the international application:*

- ☒ the international application as originally filed
- ☐ the description:
pages _____, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____
- ☐ the claims:
pages _____, as originally filed
pages _____, as amended (together with any statement) under Article 19
pages _____, filed with the demand
pages _____, filed with the letter of _____
- ☐ the drawings:
pages _____, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
pages _____, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language English which is

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☒ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheet _____

5. ☐ This opinion has been drawn as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this opinion as "originally filed." and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item I and annexed to this report.

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims	1-6	YES
	Claims		NO
Inventive step (IS)	Claims	2-6	YES
	Claims	1	NO
Industrial applicability (IA)	Claims	1-6	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

The following document is referred to

D = KR 1999-35597 A

1. Novelty

D discloses the caption signal display method of a receiver for caption broadcast. The method has a step of judging whether there is a transmitted caption signal when a key signal of selected time or section code is applied and a step of storing user-selected time code and section code together with transmitted caption signal into storage or memory.

The subject matter of present claim 1 to 6 differs therefrom in that the method further comprise a step of loading the caption script of a different language in the caption indicator if it is determined that there is a caption script of a different language.

Thus the novelty of the subject matter claimed can be acknowledged.(Article 33(2) PCT)

2. Inventive step

The subject matter of present claim 1 provides a method of captioning a digital video disk. Therefore this method comprises a step of loading a prepared caption script of a predetermined language in a caption indicator, a step of ascertaining the caption generation point and caption ending point of the shown moving picture, a step of writing time codes corresponding to the caption generation point and the caption ending point, and others. Present invention claimed is very similar to the mentioned prior art, D, except additionally requiring a step of correcting the state of the time codes and the state of the corresponding caption display and a step of producing the caption scripts and the time codes into a script file. However, using the step of correcting the state of the time codes and the state of the corresponding caption display and the step of producing the caption scripts and the time codes into a script file in this field is publicly known. The skilled man faced with the above mentioned invention would consider the claimed derivatives. He would thus arrive at the subject matter of the present claims without the exercise of inventive skill.

Therefore an inventive step can not be acknowledged for the subject matter of the present claims.(Article 33(3) PCT)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/KR00/00533

VI. Certain documents cited

1. Certain published documents (Rule 70.10)

Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
KR 1999-35597 A	15.05.1999	31.10.1997	

2. Non-written disclosures (Rule 70.9)

Kind of non-written disclosure	Date of non-written disclosure (day/month/year)	Date of written disclosure referring to non-written disclosure (day/month/year)